

Differences among groups?

ANOVA/MANOVA parametric, failure of the hypothesis \rightarrow nonparametric

One group is the best?

boxplot \rightarrow 2 samples test
(pairwise comparison with one group)
(we're calculating p-values \rightarrow no need for Bonferroni)
 \rightarrow Rank test (to enforce)

CHECK 1D TO BE VECTORS

SHAPIRO (GAM \$RES)

Assess the fit quality \rightarrow compute some metrics (hist, boxplot, shap)

GAM with interactions w/ cubic splines? \rightarrow iter = ..

Build a model? \rightarrow Summary! (PLOT(?))

Reduce a model? \rightarrow GAUSSIAN RESIDUALS?

- Yes \rightarrow togli e mano e alle fine (modello ridotto) fai shap(res)
- No \rightarrow permutations

(Fit quality of an estimator \rightarrow var, bias, MSE